



**FLOOR SWEEP ASSEMBLY FOR A GRAIN DRYER HAVING SUPPORT
MEMBERS AND WIPERS WHICH ARE SPACED APART FROM EACH OTHER
BY SPACING MEMBERS AT INTERSECTIONS FORMED THEREBETWEEN**

5 Cross reference is made to copending U.S. patent applications Serial No.
08/_____ (Attorney Docket No. 1571-0001), entitled "Floor Sweep Assembly
for a Grain Dryer having Primary Support Members and Ancillary Support
Members which Form a Number of Intersections with a Wiper" by Terry L.
McKenzie, Paul W. Peterson, and Wesley L. Peterson, and Serial No.
10 08/_____ (Attorney Docket No. 1571-0003), entitled "Grain Dryer having Motor
for Rotating Floor Sweep Assembly which is Mounted Above Cooling Floor" by
Terry L. McKenzie, Paul W. Peterson, and Wesley L. Peterson, and Serial No.
08/_____ (Attorney Docket No. 1571-0004), entitled "Wiper for a Floor Sweep
Assembly of a Grain Dryer which includes Ultra-High Molecular Weight Resin
15 which Contacts Grain and Grain Shelf Floor During Rotation Thereof" by Terry L.
McKenzie, Paul W. Peterson, and Wesley L. Peterson, all of which are assigned
to the same assignee as the present invention, and all of which are filed
concurrently herewith.

20 **Background of the Invention**

The present invention relates generally to grain dryers which utilize heated
air to reduce the moisture content of harvested grain such as corn, beans,
wheat, and oats.

In order to store grain for a long period of time, it is necessary to dry the
25 grain to a condition in which it is less subject to molding or other deterioration.
Accordingly, numerous types of grain dryers have heretofore been designed
which possess a number of grain flow channels defined between a pair of
perforated walls. Grain is advanced through these grain flow channels while at